

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-38 (canceled).

Claim 39 (currently amended): Apparatus for bonding soft biological tissue having an incision therein, comprising:

forceps adapted to grip a portion of the tissue on both sides of the incision;
electrodes secured to said forceps for contacting said tissue portion; and
an adjustable stop member that limits the extent to which the forceps may be deformed, the stop member being adjustable to accommodate the bonding of tissues of varying thicknesses to provide tissue welding that forms a weld to reconnect the tissue.

Claim 40 (original): The apparatus of claim 39, wherein said electrodes are dimensioned to have a volume which is at least 5 times that of the tissue portion volume.

Claim 41 (original): The apparatus of claim 40, wherein said electrodes are made of a metal with a high heat conductivity.

Claims 42-64 (canceled).

Claim 65 (previously presented): The apparatus of claim 39, wherein the forceps have two arms, and the adjustable stop member is positioned between the two arms of the forceps.

Claim 66 (previously presented): The apparatus of claim 39, wherein the adjustable stop member comprises a replaceable lug of selectable length positioned between the two forceps.

Claim 67 (previously presented): The apparatus of claim 39, wherein the adjustable stop member comprises one or more spacers.

Claim 68 (previously presented): The apparatus of claim 39, wherein the adjustable stop member comprises an adjustable knob.

Claim 69-70 (canceled).

Claim 71 (previously presented): Apparatus for bonding soft biological tissue having an incision therein, comprising:

forceps adapted to grip a portion of the tissue on both sides of the incision;
electrodes secured to said forceps for contacting said tissue portion; and
stop means for selectively limiting the extent to which the forceps may be deformed to provide tissue welding that forms a weld to reconnect the tissue.

Claim 72 (previously presented): The apparatus of claim 71, wherein the stop means comprises a replaceable lug of selectable length positioned between the two forceps.

Claim 73 (previously presented): The apparatus of claim 71, wherein the stop means comprises one or more spacers.

Claim 74 (previously presented): The apparatus of claim 71, wherein the stop means comprises an adjustable knob.

Claim 75-78 (canceled).